

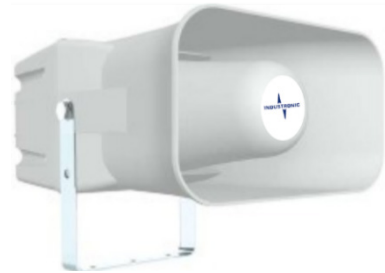


## TR-30-EN SPEAKER

### WEATHERPROOF HORN SPEAKER WITH SAFETY STANDARD EN 54-24

The speaker has a robust and durable design and, with its high safety standard EN 54-24, is ideal for voice alarms.

An integrated high-pass filter protects the speaker from harmful frequencies.



- For use in outdoor areas
- Approved according to EN 54-24
- Degree of protection IP66
- Robust industrial technology
- Stable and durable design

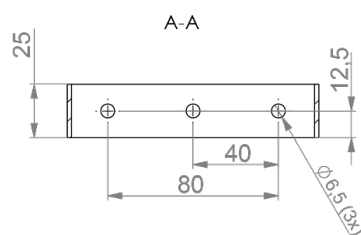
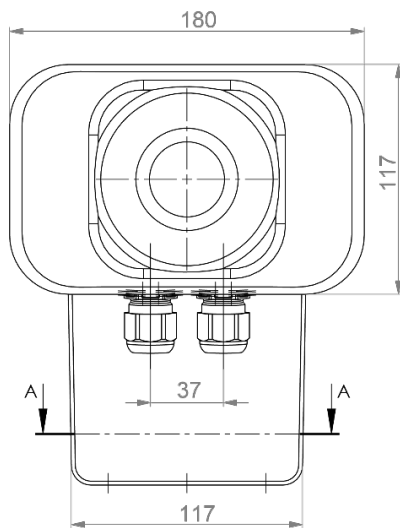
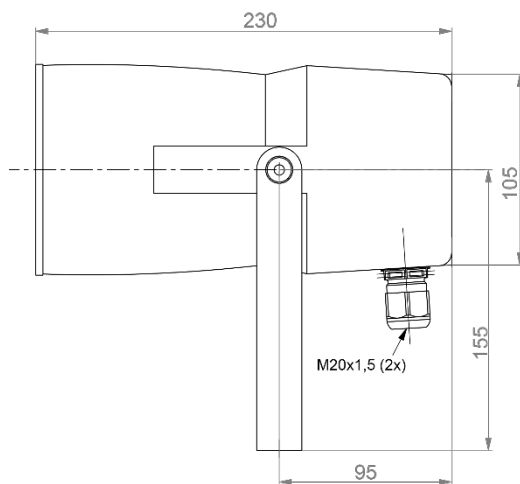
#### MECHANICAL DATA

|                         |                                                             |
|-------------------------|-------------------------------------------------------------|
| Housing                 | ABS plastic,<br>UL94V0 certified                            |
| Width x height x length | 180 mm x 120 mm x 230 mm<br>(7.09" x 4.72" x 9.06")         |
| Cable entry             | 2 x 20 mm (0.79")                                           |
| Cable gland             | 2 x M20                                                     |
| Connection              | WAGO® push terminals<br>(cable cross-section up to 2.5 mm²) |
| Weight                  | 2.2 kg (4.85 lbs)                                           |
| Color                   | Gray (RAL 7035)                                             |
| Mounting                | Stainless steel bracket                                     |

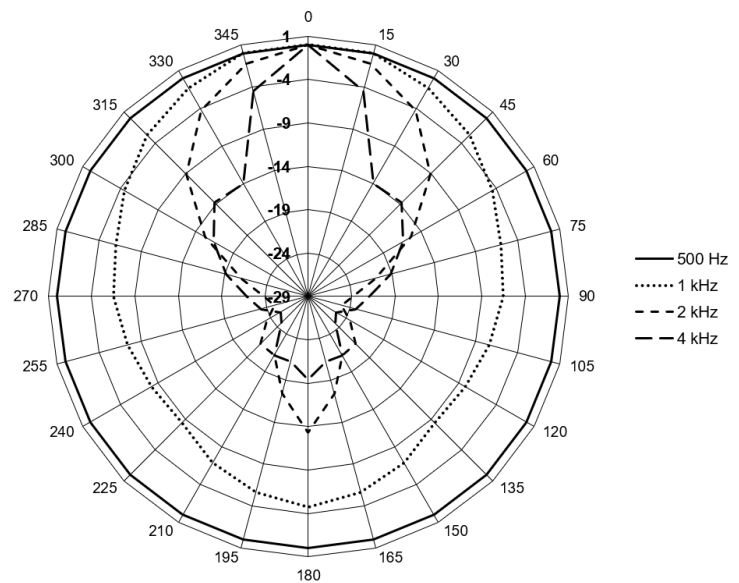
#### ELECTRICAL DATA

|                                |                                              |
|--------------------------------|----------------------------------------------|
| Rated power                    | 30 W                                         |
| Transformer                    | 100 V: 30 W / 15 W / 7.5 W                   |
| Sound pressure level 1 W, 1 m  | 110 dB (+/-3 dB)                             |
| Sound pressure level 25 W, 1 m | 123 dB (+/-3 dB)                             |
| Frequency range                | 350 Hz to 10,000 Hz                          |
| Coverage angle -6 dB           | 1 kHz: 180° (h/v)<br>4 kHz: 79° (h) 119° (v) |

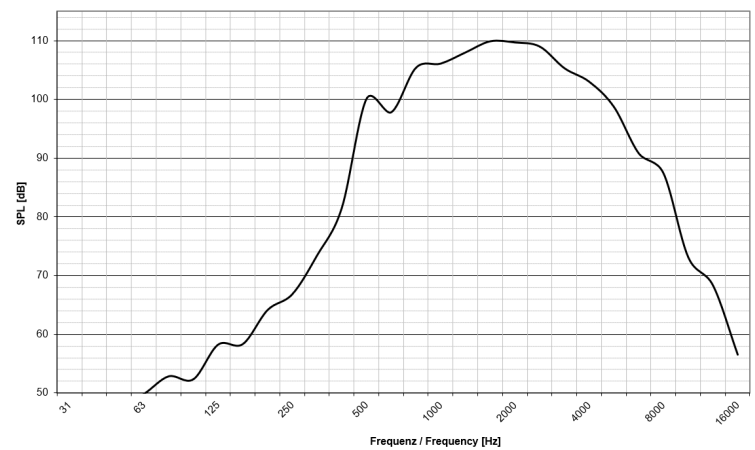
## DIMENSIONS



## POLAR DIAGRAM



## FREQUENCY DIAGRAM



## MEASUREMENT CONDITIONS

|                               |                   |
|-------------------------------|-------------------|
| Sound pressure level (SPL)    | 1 W / 1 m         |
| Pink noise                    | 1/3 octave filter |
| Zero level in frequency range | 50 dB             |
| Range                         | 65 dB             |

## SOUND PRESSURE LEVEL RELATED TO DISTANCE

| $P_{\max}$<br>30 W | Level (dB)<br>at | (-6 dB)          | (-20 dB)           | (-28 dB)           | (-36 dB)            |
|--------------------|------------------|------------------|--------------------|--------------------|---------------------|
|                    | 1 m<br>(3.28 ft) | 2 m<br>(6.56 ft) | 10 m<br>(32.81 ft) | 25 m<br>(82.02 ft) | 65 m<br>(213.25 ft) |
|                    | 123              | 117              | 103                | 95                 | 87                  |

## ENVIRONMENTAL REQUIREMENTS AND STANDARDS

|                                      |                                        |
|--------------------------------------|----------------------------------------|
| Ambient temperature during operation | -40 °C to +80°C<br>(-40 °F to +176 °F) |
| Relative humidity (non-condensing)   | Max. 95 %                              |
| Degree of protection                 | IP66                                   |
| Approval                             | EN 54-24: 2008                         |
| Certificate                          | 1293 CPD 0332                          |

## ORDER DATA

|             |             |
|-------------|-------------|
| Type number | 001-230-014 |
|-------------|-------------|

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